

Gravatt, Dan

From: Paul Rosasco <paulrosasco@emsidenver.com>
Sent: Tuesday, June 18, 2013 3:19 PM
To: Gravatt, Dan
Subject: Radium table
Attachments: Table 6 Radium REV t v d.xlsx

Dan,

I have attached a revised table of the radium results. The only change I made was to add a new column B that indicates whether the sample is a total or dissolved fraction. This allows us to sort the total results from the dissolved results. I thought this would help you with your plotting.

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Table 6: Summary of Radium Results - April 2013 Groundwater Sampling, West Lake Landfill OU-1

Sample ID	Total or Dissolved	Sample Date	Radium-226				Radium-228				Combined Radium 226 +	Combined Radium relative
			Result	CSU	MDA	FINAL Q	Result	CSU	MDA	FINAL Q		
S-5 DIS	Dissolved	4/11/13	0.04	0.07	0.11	U	0.45	0.43	0.83	UJ+	Non-Detect	Less Than MCL
S-5 TOT	Total	4/11/13	1.10	0.57	0.26	J	5.03	1.81	2.44	J+	6.13	Exceeds MCL
S-8 DIS	Dissolved	4/4/13	0.45	0.23	0.12	J	1.00	0.49	0.81	J+	1.45	Less Than MCL
S-8 TOT	Total	4/4/13	0.45	0.24	0.15	J	1.18	0.5	0.77	J+	1.63	Less Than MCL
S-10 DIS	Dissolved	4/4/13	0.01	0.04	0.09	UJ	0.37	0.37	0.73	U	Non-Detect	Less Than MCL
S-10 TOT	Total	4/4/13	0.03	0.05	0.10	U	0.06	0.51	1.09	UJ	Non-Detect	Less Than MCL
S-53 DIS	Dissolved	4/16/13	0.84	0.37	0.14		1.46	0.7	1.15	J+	2.30	Less Than MCL
S-53 TOT	Total	4/16/13	0.14	0.31	0.62	UJ	-2.53	4.74	10.29	UJ+	Non-Detect	Less Than MCL
S-61 DIS	Dissolved	4/5/13	0.37	0.2	0.14	J	0.89	0.54	0.98	UJ	0.37	* Less Than MCL
S-61 TOT	Total	4/5/13	1.93	0.59	0.18	J	1.21	0.51	0.77		3.14	Less Than MCL
S-82 DIS	Dissolved	4/9/13	0.64	0.31	0.16		1.17	0.62	1.06	J	1.81	Less Than MCL
S-82 TOT	Total	4/9/13	1.63	0.55	0.17		2.04	0.74	1.01		3.67	Less Than MCL
S-84 DIS	Dissolved	4/11/13	0.11	0.12	0.17	U	0.63	0.57	1.11	UJ+	Non-Detect	Less Than MCL
S-84 TOT	Total	4/11/13	0.24	0.19	0.23	J	1.92	0.68	0.93	J+	2.16	Less Than MCL
I-4 DIS	Dissolved	4/12/13	0.11	0.11	0.14	U	0.43	0.39	0.75	UJ+	Non-Detect	Less Than MCL
I-4 TOT	Total	4/12/13	0.65	0.3	0.18		1.15	0.52	0.83	J+	1.80	Less Than MCL
I-9 DIS	Dissolved	4/9/13	0.67	0.33	0.20		1.49	0.69	1.12	J	2.16	Less Than MCL
I-9 FD DIS	Dissolved	4/9/13	0.85	0.38	0.23		1.79	0.81	1.31	J+	2.64	Less Than MCL
I-9 TOT	Total	4/9/13	1.48	0.53	0.20		3.81	1.16	1.30	J	5.29	Exceeds MCL
I-9 FD TOT	Total	4/9/13	1.27	0.51	0.24		2.45	0.85	1.12	J+	3.72	Less Than MCL
I-11 DIS	Dissolved	4/4/13	1.24	0.49	0.23		0.88	0.64	1.21	UJ+	1.24	* Less Than MCL
I-11 TOT	Total	4/4/13	1.02	0.42	0.24	J	2.37	0.83	1.08	J+	3.39	Less Than MCL
I-62 DIS	Dissolved	4/4/13	0.40	0.22	0.14	J	1.01	0.69	1.28	U	0.40	* Less Than MCL
I-62 FD DIS	Dissolved	4/4/13	0.19	0.14	0.11	J	0.65	0.47	0.89	UJ	0.19	* Less Than MCL
I-62 TOT	Total	4/4/13	0.46	0.24	0.18	J	1.27	0.68	1.18	J	1.73	Less Than MCL
I-62 FD TOT	Total	4/4/13	0.32	0.18	0.12	J	0.89	0.47	0.81	J	1.21	Less Than MCL
I-65 DIS	Dissolved	4/16/13	0.30	0.18	0.13	J	0.81	0.49	0.88	UJ+	0.30	* Less Than MCL
I-65 FD DIS	Dissolved	4/16/13	0.25	0.18	0.16	J	0.85	0.52	0.94	UJ+	0.25	* Less Than MCL
I-65 TOT	Total	4/16/13	0.54	0.25	0.11		0.61	0.43	0.81	UJ+	0.54	* Less Than MCL
I-65 FD TOT	Total	4/16/13	0.47	0.23	0.15		0.91	0.5	0.88	J+	1.38	Less Than MCL

Table 6: Summary of Radium Results - April 2013 Groundwater Sampling, West Lake Landfill OU-1

Sample ID	Total or Dissolved	Sample Date	Radium-226				Radium-228				Combined Radium 226 +	Combined Radium relative
			Result	CSU	MDA	FINAL Q	Result	CSU	MDA	FINAL Q		
I-66 DIS	Dissolved	4/5/13	0.20	0.15	0.14	J	1.42	0.63	0.98		1.62	Less Than MCL
I-66 TOT	Total	4/5/13	0.23	0.16	0.13	J	0.27	0.64	1.33	UJ	0.23	* Less Than MCL
I-67 DIS	Dissolved	4/5/13	0.46	0.23	0.10		0.60	0.47	0.89	U	0.46	* Less Than MCL
I-67 FD DIS	Dissolved	4/5/13	0.21	0.15	0.14	J	0.90	0.71	1.36	UJ	0.21	* Less Than MCL
I-67 TOT	Total	4/5/13	0.69	0.3	0.15	J	0.55	0.51	0.99	UJ	0.69	* Less Than MCL
I-67 FD TOT	Total	4/5/13	0.73	0.3	0.17		0.73	0.79	1.56	UJ	0.73	* Less Than MCL
I-68 DIS	Dissolved	4/9/13	0.67	0.31	0.14		1.37	0.61	0.97		2.04	Less Than MCL
I-68 TOT	Total	4/9/13	3.34	1.05	0.35	J	1.97	0.78	1.16	J	5.31	Exceeds MCL
I-73 DIS	Dissolved	4/12/13	1.04	0.41	0.17		1.03	0.57	1.01	J+	2.07	Less Than MCL
I-73 TOT	Total	4/12/13	1.79	0.62	0.18	J	2.55	0.9	1.24	J+	4.34	Less Than MCL
D-3 DIS	Dissolved	4/11/13	2.12	0.74	0.33		2.72	0.79	0.79	J+	4.84	Less Than MCL
D-3 TOT	Total	4/11/13	2.82	0.93	0.24	J	4.38	1.18	0.98	J+	7.20	Exceeds MCL
D-6 DIS	Dissolved	4/9/13	1.75	0.6	0.24		2.70	0.86	1.01	J+	4.45	Less Than MCL
D-6 TOT	Total	4/9/13	1.91	0.64	0.21		5.89	1.7	1.66	J+	7.80	Exceeds MCL
D-12 DIS	Dissolved	4/4/13	0.19	0.18	0.24	U	1.37	0.57	0.86	J+	1.37	* Less Than MCL
D-12 FD DIS	Dissolved	4/4/13	0.12	0.11	0.13	U	0.85	0.54	0.97	U	Non-Detect	Less Than MCL
D-12 TOT	Total	4/4/13	0.96	0.4	0.17	J	0.56	0.52	1.01	UJ+	0.96	* Less Than MCL
D-12 FD TOT	Total	4/4/13	0.45	0.23	0.17	J	1.61	0.6	0.85	J	2.06	Less Than MCL
D-13 DIS	Dissolved	4/4/13	0.92	0.36	0.13		1.22	0.54	0.87	J+	2.14	Less Than MCL
D-13 TOT	Total	4/4/13	1.20	0.44	0.19	J	2.52	0.82	1.01	J+	3.72	Less Than MCL
D-14 DIS	Dissolved	4/12/13	0.79	0.34	0.22		1.39	0.55	0.80	J+	2.18	Less Than MCL
D-14 TOT	Total	4/12/13	1.97	0.62	0.17		1.74	0.68	1.00	J+	3.71	Less Than MCL
D-81 DIS	Dissolved	4/3/13	0.18	0.16	0.21	U	0.86	0.52	0.93	U	Non-Detect	Less Than MCL
D-81 TOT	Total	4/3/13	0.87	0.39	0.22		1.59	0.65	0.98		2.46	Less Than MCL
D-83 DIS	Dissolved	4/9/13	1.79	0.62	0.16		3.78	1.13	1.20	J+	5.57	Exceeds MCL
D-83 TOT	Total	4/9/13	3.17	0.99	0.32		5.53	1.42	0.89	J+	8.70	Exceeds MCL
D-85 DIS	Dissolved	4/11/13	0.91	0.4	0.19		1.26	0.57	0.93	J+	2.17	Less Than MCL
D-85 TOT	Total	4/11/13	9.67	2.63	0.50	J	6.41	1.77	1.57	J+	16.08	Exceeds MCL
D-87 DIS	Dissolved	4/9/13	0.75	0.35	0.22		0.95	0.53	0.93	J	1.70	Less Than MCL
D-87 TOT	Total	4/9/13	1.33	0.5	0.21		2.99	0.9	0.94		4.32	Less Than MCL

Table 6: Summary of Radium Results - April 2013 Groundwater Sampling, West Lake Landfill OU-1

Sample ID	Total or Dissolved	Sample Date	Radium-226				Radium-228				Combined Radium 226 +	Combined Radium relative
			Result	CSU	MDA	FINAL Q	Result	CSU	MDA	FINAL Q		
D-93 DIS	Dissolved	4/9/13	1.93	0.63	0.21		2.89	0.88	0.97		4.82	Less Than MCL
D-93 TOT	Total	4/9/13	3.02	0.95	0.31		4.79	1.31	1.12	J	7.81	Exceeds MCL
LR-100 DIS	Dissolved	4/3/13	0.14	0.15	0.22	U	0.68	0.51	0.96	U	Non-Detect	Less Than MCL
LR-100 TOT	Total	4/3/13	0.44	0.26	0.24	J	0.37	0.55	1.12	UJ	0.44	* Less Than MCL
LR-103 DIS	Dissolved	4/3/13	0.52	0.28	0.16	J	1.62	0.78	1.29	J	2.14	Less Than MCL
LR-103 TOT	Total	4/3/13	0.97	0.4	0.14		0.59	0.65	1.29	U	0.97	* Less Than MCL
LR-104 DIS	Dissolved	4/4/13	0.39	0.19	0.10		1.00	0.52	0.88	J	1.39	Less Than MCL
LR-104 TOT	Total	4/4/13	0.63	0.28	0.12		1.58	0.58	0.80	J	2.21	Less Than MCL
LR-105 DIS	Dissolved	4/3/13	1.04	0.42	0.20		0.95	0.64	1.18	U	1.04	* Less Than MCL
LR-105 TOT	Total	4/3/13	0.69	0.33	0.21		0.55	0.53	1.04	U	0.69	* Less Than MCL
MW-103 DIS	Dissolved	4/5/13	0.24	0.15	0.09	J	1.08	0.62	1.09	U	0.24	* Less Than MCL
MW-103 TOT	Total	4/5/13	0.78	0.3	0.12		0.88	0.53	0.96	U	0.78	* Less Than MCL
MW-104 DIS	Dissolved	4/5/13	0.25	0.17	0.14	J	1.34	0.61	0.99	J	1.59	Less Than MCL
MW-104 TOT	Total	4/5/13	0.37	0.22	0.15	J	1.33	0.59	0.95	J	1.70	Less Than MCL
MW-1204 DIS	Dissolved	4/12/13	2.90	0.83	0.15		1.96	0.73	1.05	J+	4.86	Less Than MCL
MW-1204 FD DIS	Dissolved	4/12/13	2.31	0.77	0.21		2.47	0.79	0.95	J+	4.78	Less Than MCL
MW-1204 TOT	Total	4/12/13	3.34	1.08	0.25	J	2.93	1.33	2.13	J+	6.27	Exceeds MCL
MW-1204 FD TOT	Total	4/12/13	4.11	1.19	0.21	J	1.80	0.76	1.20	J+	5.91	Exceeds MCL
PZ-100-KS DIS	Dissolved	4/16/13	0.26	0.17	0.14	J	0.96	0.43	0.69	J+	1.22	Less Than MCL
PZ-100-KS TOT	Total	4/16/13	0.16	0.14	0.12	J	0.84	0.57	1.05	UJ+	0.16	* Less Than MCL
PZ-100-SD DIS	Dissolved	4/5/13	2.41	0.69	0.17		0.40	0.45	0.91	U	2.41	* Less Than MCL
PZ-100-SD TOT	Total	4/5/13	2.40	0.7	0.12	J	1.20	0.58	0.96	J	3.60	Less Than MCL
PZ-100-SS DIS	Dissolved	4/5/13	3.80	1	0.12		1.08	0.59	1.04	J	4.88	Less Than MCL
PZ-100-SS TOT	Total	4/5/13	4.60	1.21	0.12	J	1.37	0.66	1.10	J	5.97	Exceeds MCL
PZ-101-SS DIS	Dissolved	4/12/13	23.28	5.24	0.12		2.49	0.81	1.00	J+	25.77	Exceeds MCL
PZ-101-SS TOT	Total	4/12/13	21.89	4.97	0.25	J	2.12	0.71	0.89	J+	24.01	Exceeds MCL
PZ-102R-SS DIS	Dissolved	4/11/13	1.88	0.58	0.13		1.50	1.01	1.87	UJ+	1.88	* Less Than MCL
PZ-102R-SS TOT	Total	4/11/13	3.18	1.29	0.57	J	0.40	2.08	4.41	UJ+	3.18	* Less Than MCL
PZ-102-SS DIS	Dissolved	4/11/13	4.58	1.18	0.13		2.35	0.81	1.04	J+	6.93	Exceeds MCL
PZ-102-SS TOT	Total	4/11/13	8.05	1.95	0.18	J	7.98	2.42	2.67	J+	16.03	Exceeds MCL

Table 6: Summary of Radium Results - April 2013 Groundwater Sampling, West Lake Landfill OU-1

Sample ID	Total or Dissolved	Sample Date	Radium-226				Radium-228				Combined Radium 226 +	Combined Radium relative
			Result	CSU	MDA	FINAL Q	Result	CSU	MDA	FINAL Q		
PZ-103-SS DIS	Dissolved	4/8/13	3.89	1.08	0.18	J	1.53	0.63	0.95	J	5.42	Exceeds MCL
PZ-103-SS TOT	Total	4/8/13	16.68	3.93	0.25	J	5.28	1.41	1.01	J	21.96	Exceeds MCL
PZ-104-KS DIS	Dissolved	4/11/13	0.07	0.1	0.15	U	0.73	0.47	0.86	UJ+	Non-Detect	Less Than MCL
PZ-104-KS TOT	Total	4/11/13	0.32	0.19	0.13	J	0.18	0.43	0.90	UJ+	0.32	* Less Than MCL
PZ-104-SD DIS	Dissolved	4/11/13	3.76	1.01	0.14		1.90	0.66	0.85	J+	5.66	Exceeds MCL
PZ-104-SD TOT	Total	4/11/13	5.72	1.5	0.16	J	2.72	1.19	1.88	J+	8.44	Exceeds MCL
PZ-104-SS DIS	Dissolved	4/11/13	0.81	0.32	0.14		1.58	0.72	1.17	J+	2.39	Less Than MCL
PZ-104-SS FD DIS	Dissolved	4/11/13	1.10	0.4	0.13		1.03	0.5	0.82	J+	2.13	Less Than MCL
PZ-104-SS TOT	Total	4/11/13	1.19	0.41	0.14		0.80	0.5	0.90	UJ+	1.19	* Less Than MCL
PZ-104-SS FD TOT	Total	4/11/13	1.53	0.5	0.12		0.86	0.44	0.75	J+	2.39	Less Than MCL
PZ-105-SS DIS	Dissolved	4/4/13	1.22	0.42	0.17		1.03	0.48	0.77	J	2.25	Less Than MCL
PZ-105-SS TOT	Total	4/4/13	1.79	0.55	0.14		0.87	0.5	0.88	UJ	1.79	* Less Than MCL
PZ-106-KS DIS	Dissolved	4/15/13	0.32	0.2	0.15	J	0.43	0.44	0.87	UJ+	0.32	* Less Than MCL
PZ-106-KS TOT	Total	4/15/13	0.38	0.22	0.16	J	0.31	0.44	0.89	UJ+	0.38	* Less Than MCL
PZ-106-SD DIS	Dissolved	4/9/13	0.61	0.27	0.14		0.89	0.56	1.02	U	0.61	* Less Than MCL
PZ-106-SD TOT	Total	4/9/13	1.04	0.38	0.16		0.34	0.55	1.14	U	1.04	* Less Than MCL
PZ-106-SS DIS	Dissolved	4/9/13	3.12	0.87	0.13		0.51	0.58	1.16	UJ	3.12	* Less Than MCL
PZ-106-SS TOT	Total	4/9/13	2.80	0.8	0.12		0.71	0.56	1.07	U	2.80	* Less Than MCL
PZ-107-SS DIS	Dissolved	4/12/13	5.80	1.46	0.11		1.88	0.65	0.84	J+	7.68	Exceeds MCL
PZ-107-SS TOT	Total	4/12/13	7.72	1.99	0.17	J	3.36	1.27	1.81	J+	11.08	Exceeds MCL
PZ-109-SS DIS	Dissolved	4/11/13	2.29	0.67	0.16		0.60	0.44	0.84	UJ+	2.29	* Less Than MCL
PZ-109-SS TOT	Total	4/11/13	2.15	0.67	0.16	J	0.84	0.56	1.04	UJ+	2.15	* Less Than MCL
PZ-110-SS DIS	Dissolved	4/4/13	3.76	1.05	0.15		1.70	0.78	1.24	J	5.46	Exceeds MCL
PZ-110-SS TOT	Total	4/4/13	4.00	1.07	0.15		1.15	0.63	1.09	J+	5.15	Exceeds MCL
PZ-111-KS DIS	Dissolved	4/9/13	0.31	0.18	0.13	J	0.73	0.51	0.94	UJ+	0.31	* Less Than MCL
PZ-111-KS TOT	Total	4/9/13	0.35	0.19	0.11	J	1.08	0.48	0.75	J+	1.43	Less Than MCL
PZ-111-SD DIS	Dissolved	4/4/13	1.17	0.41	0.12		0.93	0.49	0.82	J+	2.10	Less Than MCL
PZ-111-SD TOT	Total	4/4/13	0.91	0.35	0.20	J	0.26	0.45	0.93	UJ+	0.91	* Less Than MCL
PZ-112-AS DIS	Dissolved	4/12/13	0.74	0.35	0.16		1.05	0.5	0.82	J+	1.79	Less Than MCL
PZ-112-AS TOT	Total	4/12/13	0.95	0.43	0.17		2.24	0.71	0.84	J+	3.19	Less Than MCL

Table 6: Summary of Radium Results - April 2013 Groundwater Sampling, West Lake Landfill OU-1

Sample ID	Total or Dissolved	Sample Date	Radium-226				Radium-228				Combined Radium 226 +	Combined Radium relative
			Result	CSU	MDA	FINAL Q	Result	CSU	MDA	FINAL Q		
PZ-113-AD DIS	Dissolved	4/11/13	1.59	0.56	0.20		2.83	0.83	0.84	J+	4.42	Less Than MCL
PZ-113-AD TOT	Total	4/11/13	2.27	0.77	0.24	J	7.01	1.74	0.85	J+	9.28	Exceeds MCL
PZ-113-AS DIS	Dissolved	4/12/13	0.49	0.26	0.21	J	1.34	0.61	0.98	J+	1.83	Less Than MCL
PZ-113-AS TOT	Total	4/12/13	0.61	0.29	0.14	J	2.36	0.77	0.94	J+	2.97	Less Than MCL
PZ-113-SS DIS	Dissolved	4/12/13	2.48	0.74	0.15		1.60	0.65	0.97	J+	4.08	Less Than MCL
PZ-113-SS TOT	Total	4/12/13	4.92	1.27	0.17	J	2.04	0.84	1.28	J+	6.96	Exceeds MCL
PZ-114-AS DIS	Dissolved	4/8/13	0.18	0.16	0.19	UJ	0.17	0.49	1.02	UJ	Non-Detect	Less Than MCL
PZ-114-AS TOT	Total	4/8/13	0.43	0.23	0.15	J	0.86	0.67	1.28	UJ	0.43	* Less Than MCL
PZ-115-SS DIS	Dissolved	4/5/13	7.35	1.77	0.11		1.31	0.52	0.75		8.66	Exceeds MCL
PZ-115-SS TOT	Total	4/5/13	7.70	1.87	0.13	J	0.85	0.51	0.92	U	7.70	* Exceeds MCL
PZ-116-SS DIS	Dissolved	4/12/13	0.21	0.16	0.15	J	1.29	0.48	0.66	J+	1.50	Less Than MCL
PZ-116-SS TOT	Total	4/12/13	0.83	0.34	0.15	J	0.76	0.45	0.81	UJ+	0.83	* Less Than MCL
PZ-200-SS DIS	Dissolved	4/5/13	1.84	0.59	0.22		1.37	0.68	1.12		3.21	Less Than MCL
PZ-200-SS TOT	Total	4/5/13	2.44	0.77	0.25	J	1.38	0.94	1.73	UJ	2.44	* Less Than MCL
PZ-201A-SS DIS	Dissolved	4/8/13	0.32	0.18	0.13	J	0.93	0.54	0.96	UJ	0.32	* Less Than MCL
PZ-201A-SS TOT	Total	4/8/13	0.32	0.18	0.12	J	1.11	0.65	1.16	UJ	0.32	* Less Than MCL
PZ-202-SS DIS	Dissolved	4/12/13	0.38	0.22	0.17	J	0.86	0.46	0.78	J+	1.24	Less Than MCL
PZ-202-SS TOT	Total	4/12/13	0.85	0.35	0.15		0.69	0.47	0.86	UJ+	0.85	* Less Than MCL
PZ-203-SS DIS	Dissolved	4/5/13	1.44	0.47	0.13		0.37	0.56	1.14	U	1.44	* Less Than MCL
PZ-203-SS TOT	Total	4/5/13	1.22	0.44	0.11	J	1.08	0.65	1.17	UJ	1.22	* Less Than MCL
PZ-204A-SS DIS	Dissolved	4/8/13	0.67	0.3	0.14	J	0.46	0.47	0.94	UJ	0.67	* Less Than MCL
PZ-204A-SS TOT	Total	4/8/13	1.46	0.5	0.17	J	1.30	0.62	1.03	J	2.76	Less Than MCL
PZ-204-SS DIS	Dissolved	4/9/13	0.87	0.37	0.22		0.74	0.49	0.91	UJ	0.87	* Less Than MCL
PZ-204-SS TOT	Total	4/9/13	1.26	0.44	0.16		1.16	0.5	0.78		2.42	Less Than MCL
PZ-205-AS DIS	Dissolved	4/8/13	0.57	0.28	0.15	J	1.04	0.55	0.94	J	1.61	Less Than MCL
PZ-205-AS TOT	Total	4/8/13	1.15	0.47	0.21	J	1.81	0.68	0.96	J	2.96	Less Than MCL
PZ-205-SS DIS	Dissolved	4/8/13	1.33	0.44	0.12	J	1.13	0.56	0.94	J	2.46	Less Than MCL
PZ-205-SS TOT	Total	4/8/13	1.39	0.48	0.12	J	1.31	0.68	1.15	J	2.70	Less Than MCL
PZ-206-SS DIS	Dissolved	4/8/13	1.13	0.41	0.15	J	0.72	0.75	1.48	UJ	1.13	* Less Than MCL
PZ-206-SS TOT	Total	4/8/13	1.12	0.37	0.12	J	1.10	0.72	1.31	UJ	1.12	* Less Than MCL

Table 6: Summary of Radium Results - April 2013 Groundwater Sampling, West Lake Landfill OU-1

Sample ID	Total or Dissolved	Sample Date	Radium-226				Radium-228				Combined Radium 226 +	Combined Radium relative
			Result	CSU	MDA	FINAL Q	Result	CSU	MDA	FINAL Q		
PZ-207-AS DIS	Dissolved	4/3/13	0.49	0.25	0.11	J	1.16	0.64	1.11	J	1.65	Less Than MCL
PZ-207-AS TOT	Total	4/3/13	1.12	0.46	0.19		0.68	0.75	1.49	UJ	1.12	* Less Than MCL
PZ-208-SS DIS	Dissolved	4/12/13	1.06	0.39	0.15		1.19	0.56	0.91	J+	2.25	Less Than MCL
PZ-208-SS TOT	Total	4/12/13	1.14	0.41	0.14	J	1.31	0.63	1.05	J+	2.45	Less Than MCL
PZ-302-AI DIS	Dissolved	4/3/13	0.39	0.22	0.16	J	0.86	0.56	1.02	U	0.39	* Less Than MCL
PZ-302-AI TOT	Total	4/3/13	0.60	0.27	0.13	J	1.20	0.53	0.84		1.80	Less Than MCL
PZ-303-AS DIS	Dissolved	4/4/13	0.44	0.23	0.14	J	0.78	0.6	1.14	UJ+	0.44	* Less Than MCL
PZ-303-AS TOT	Total	4/4/13	1.38	0.49	0.15	J	1.61	0.81	1.37	J+	2.99	Less Than MCL
PZ-304-AI DIS	Dissolved	4/4/13	0.62	0.31	0.24	J	1.23	0.53	0.81	J+	1.85	Less Than MCL
PZ-304-AI TOT	Total	4/4/13	1.23	0.51	0.24	J	1.96	0.64	0.77	J+	3.19	Less Than MCL
PZ-304-AS DIS	Dissolved	4/4/13	0.47	0.27	0.19	J	0.96	0.45	0.72	J+	1.43	Less Than MCL
PZ-304-AS TOT	Total	4/4/13	1.34	0.52	0.22	J	1.76	0.66	0.94	J+	3.10	Less Than MCL
PZ-305-AI DIS	Dissolved	4/5/13	0.27	0.17	0.11	J	0.72	0.78	1.54	UJ	0.27	* Less Than MCL
PZ-305-AI FD DIS	Dissolved	4/5/13	0.27	0.17	0.11	J	0.53	0.75	1.53	UJ	0.27	* Less Than MCL
PZ-305-AI TOT	Total	4/5/13	1.13	0.44	0.16		3.02	0.95	1.10	J	4.15	Less Than MCL
PZ-305-AI FD TOT	Total	4/5/13	0.79	0.33	0.11		1.98	0.84	1.31	J	2.77	Less Than MCL

Notes:

All values are in units of picoCuries per liter (pCi/l)

DIS = dissolved (filtered) sample; TOT = total (unfiltered) sample

CSU = Combined Standard Uncertainty (2-sigma); MDA = Minimum Detectable Activity

Data Validation Qualifiers (Final Q) include: U = Non-detect at the reported value, UJ = Non-Detect at the estimated reported value,

UJ+ = Non-Detect at the estimated reported value which may be biased high, J = estimated result; J+ = estimated result which may be biased high

Combined Radium-226 plus Radium-228 = the sum of the Ra-226 and Ra-228 results unless one of results was non-detect, in which case is only the detected result shown and the value is flagged with a *.

Non-Detect = neither Radium-226 nor Radium-228 were detected in the sample

MCL = Maximum Contaminant Level for drinking water systems of 5 pCi/l for total Radium-226 plus Radium-228

FB - Field blank

FD - Field duplicate sample